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WMAP Cosmological Parameters

Model:  $\text{lcdm+iso+corr}$ 

Data: wmap9+spt+act+snls3+bao

|                                   |  |                                   |  |
|-----------------------------------|--|-----------------------------------|--|
| $10^9 \Delta_{\mathcal{R}}^2$     | $2.419 \pm 0.078$  | $H_0$                             | $69.32^{+0.82}_{-0.80} \text{ km/s/Mpc}$ |
| $A_{\text{clustered}}$            | $< 10 \text{ (95\% CL)}$                                   | $\alpha_{-1}$                     | $< 0.0036 \text{ (95\% CL)}$             |
| $A_{\text{Poisson}}^{\text{ACT}}$ | $14.9 \pm 2.3$   | $A_{\text{Poisson}}^{\text{SPT}}$ | $> 17 \text{ (95\% CL)}$                 |
| $\ell(\ell + 1)C_{220}/(2\pi)$    | $5734 \pm 32 \mu\text{K}^2$                                | $d_A(z_{\text{eq}})$              | $14177 \pm 64 \text{ Mpc}$               |
| $d_A(z_*)$                        | $14011 \pm 65 \text{ Mpc}$                                 | $D_v(z = 0.57)/r_s(z_d)$          | $13.34 \pm 0.12$                         |
| $\eta$                            | $(6.041^{+0.092}_{-0.091}) \times 10^{-10}$                | $k_{\text{eq}}$                   | $0.01003 \pm 0.00014$                    |
| $\ell_{\text{eq}}$                | $140.6 \pm 1.4$  | $\ell_*$                          | $302.02 \pm 0.39$                        |
| $n_b$                             | $(2.481^{+0.038}_{-0.037}) \times 10^{-7} \text{ cm}^{-3}$ | $n_s$                             | $0.9641 \pm 0.0088$                      |
| $\Omega_b$                        | $0.04600^{+0.00098}_{-0.00097}$                            | $\Omega_b h^2$                    | $0.02209^{+0.00034}_{-0.00033}$          |
| $\Omega_c$                        | $0.2403 \pm 0.0089$  | $\Omega_c h^2$                    | $0.1154 \pm 0.0019$                      |
| $\Omega_\Lambda$                  | $0.7137 \pm 0.0098$  | $\Omega_m$                        | $0.2863 \pm 0.0098$                      |
| $\Omega_m h^2$                    | $0.1375 \pm 0.0020$  | $r_s(z_d)$                        | $152.43^{+0.70}_{-0.69} \text{ Mpc}$     |
| $r_s(z_d)/D_v(z = 0.106)$         | $0.3432 \pm 0.0044$  | $r_s(z_d)/D_v(z = 0.2)$           | $0.1875 \pm 0.0022$                      |
| $r_s(z_d)/D_v(z = 0.35)$          | $0.1128 \pm 0.0012$  | $r_s(z_d)/D_v(z = 0.44)$          | $0.09262 \pm 0.00090$                    |
| $r_s(z_d)/D_v(z = 0.54)$          | $0.07826 \pm 0.00070$                                      | $r_s(z_d)/D_v(z = 0.57)$          | $0.07496 \pm 0.00065$                    |
| $r_s(z_d)/D_v(z = 0.6)$           | $0.07200 \pm 0.00061$                                      | $r_s(z_d)/D_v(z = 0.73)$          | $0.06209 \pm 0.00047$                    |
| $r_s(z_*)$                        | $145.75 \pm 0.58$  | $R$                               | $1.7328^{+0.0060}_{-0.0059}$             |
| $\sigma_8$                        | $0.821^{+0.014}_{-0.013}$                                  | $\sigma_8 \Omega_m^{0.5}$         | $0.439 \pm 0.013$                        |
| $\sigma_8 \Omega_m^{0.6}$         | $0.388 \pm 0.012$  | $\alpha_{\text{SNLS}}$            | $1.43 \pm 0.11$                          |
| $\beta_{\text{SNLS}}$             | $3.26 \pm 0.11$  | $A_{\text{SZ}}$                   | $< 1.0 \text{ (95\% CL)}$                |
| $t_0$                             | $13.775 \pm 0.059 \text{ Gyr}$                             | $\tau$                            | $0.078 \pm 0.012$                        |
| $\theta_*$                        | $0.010402 \pm 0.000013$                                    | $\theta_*$                        | $0.59599 \pm 0.00077^\circ$              |
| $\tau_{\text{rec}}$               | $283.2 \pm 1.0$  | $t_{\text{reion}}$                | $500^{+71}_{-72} \text{ Myr}$            |
| $t_*$                             | $374907^{+1741}_{-1736} \text{ yr}$                        | $z_d$                             | $1019.60^{+0.81}_{-0.79}$                |
| $z_{\text{eq}}$                   | $3291 \pm 47$  | $z_{\text{rec}}$                  | $1088.84 \pm 0.59$                       |
| $z_{\text{reion}}$                | $9.8 \pm 1.0$  | $z_*$                             | $1091.83 \pm 0.49$                       |

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